



Pursuant to 37 C.F.R. § 1.8, I hereby certify that I have information and a reasonable basis for belief that this correspondence will be deposited as first-class mail with the United States Postal Service in an envelope addressed to the Assistant Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the date indicated below.

J. Hennessey
Signature

3-20-03
Date

2856
PATENT
Application Serial No.: 09/971,997

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Goloby

Serial No.: 09/971,997

Filed: October 5, 2001

For: Chemical Injection Pulse Generator

§ Group No.: 2856
§
§
§ Examiner: André K. Jackson
§
§ Attorney Docket No: 069620.0101
§

Assistant Commissioner of Patents and Trademarks
United States Patent and Trademark Office
Box No-Fee Amendments
Washington, D.C. 20231

TRANSMITTAL LETTER

Sir:

Applicants hereby submit the following documents to be filed with the United States Patent and Trademark Office:

1. Response to Office Action and Amendment, and
2. Postcard.


Please date stamp and return the enclosed postcard evidencing receipt of these materials.

We believe that no fees are due with this response; however, the Commissioner is authorized to debit Baker Botts L.L.P.'s Deposit Account No. 02-0383, Order Number 069620.0101, for any underpayment of fees that may be due in association with this filing under 37 C.F.R. §§ 1.16-1.18.

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Respectfully submitted,

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Date: March 20, 2003



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Vbroy
3/28/03
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RESPONSE TO OFFICE ACTION AND AMENDMENT

In response to the Office Action dated December 20, 2002, please amend the application as follows and consider the included remarks.

AMENDMENTS

Please amend claims 8, 9, 23, and 24 as follows. Marked-up versions of the amended claims are submitted in Attachment A.

Please enter the following amendments in the claims, amended pursuant to 37

C.F.R. § 1.121(c)(1):

8. (twice amended) A flow measuring apparatus comprising:

- Sub D1
- C1
- a) a metering reservoir, the metering reservoir having a volume, a reservoir inlet port, a reservoir outlet port, a top and a bottom;
 - b) a control valve, the control valve capable of allowing or stopping liquid from entering the metering reservoir;
 - c) a liquid level sensor, the liquid level sensor located so as to be able to sense a fluid level within the metering reservoir and operably connected to an upper limit switch and a lower limit switch, the upper limit switch having an upper set point and the lower limit switch having a lower set point; and

(d) an electronics module, the electronics module in electrical communication with the upper limit switch and the lower limit switch and further in electrical communication with the control valve

wherein the volume of the metering reservoir between the upper set point and the lower set point is known to within an error tolerance of less than 1%.

9. (once amended) The flow measuring apparatus of claim 8 wherein the volume of the metering reservoir between the upper set point and the lower set point is known to within an error tolerance of less than 0.1%.

23. (twice amended) A flow measuring apparatus comprising:

- C2
- Sub D1
- a) a metering reservoir, the metering reservoir having a volume, a reservoir inlet port, a reservoir outlet port, a top and a bottom;
 - b) a tank outlet conduit, the tank outlet conduit capable of conducting fluid to the reservoir inlet port;
 - c) a control valve, the control valve capable of allowing or stopping liquid from flowing from entering the metering reservoir;

As amended
Sub
101

d) a liquid level sensor, the liquid level sensor located so as to be able to sense a fluid level within the metering reservoir and operably connected to a lower switch, the lower limit switch having a lower set point;

e) a paddlewheel, the paddlewheel having a central pivot point and paddles, the paddles radiating from the central pivot point, the paddles capable of rotating about the central pivot point, the paddlewheel located within the tank outlet conduit and capable of rotating in response to fluid flow through the tank outlet conduit; and

f) an electronics module, the electronics module in electrical communication with the paddlewheel and the lower limit switch and further in electrical communication with the control valve

wherein the volume of the metering reservoir is known to within an error tolerance of less than 1%.

24. (once amended) The flow measuring apparatus of claim 23 wherein the volume of the metering reservoir is known to within an error tolerance of less than 0.1%.
